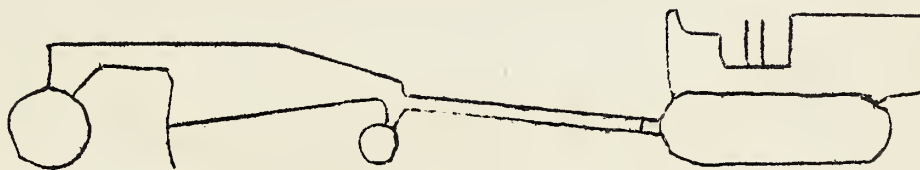


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CONSTRUCTION



HINTS

UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE

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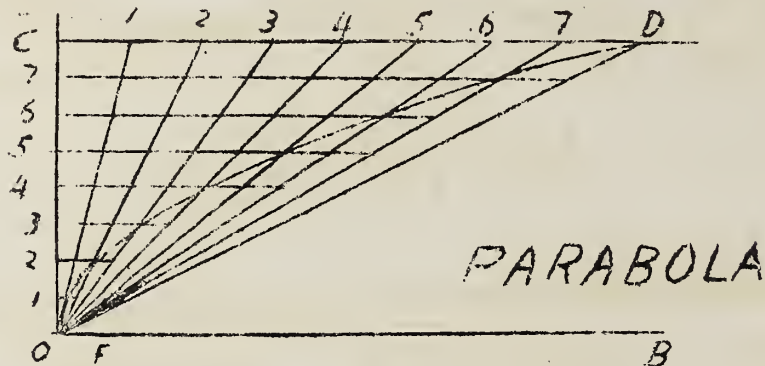
No. 3

With this issue we are enclosing a like number of copies of the first issue. Possibly all of the men in the field have not seen it. The article on Tempering Steel by F. E. Wooldridge, W. O., is both interesting and valuable. The Editor is still awaiting contributions from the Regions. SEND THEM IN.

Construction Hints wishes to correct an error which the California Ranger of June 7, 1935, made in their Grapevine Gossip. All of the offices of the Forest Service have not quit the Atlantic Building. The Engineering Division is very much at home in the old building. So too is the Drafting, Photography, Research, Library, and the E. C. W. Since the rest of the Forest Service left, the building has been renovated and the "old timers" would probably not recognize the building at all.

(Over)

Below is another easy method of plotting Conic Sections which might be interesting to the Engineers. This time we will take the Parabola



First draw the line OB
 Then draw OC through O perpendicular to OB.
 Through C draw the line CD parallel to OB.
 Divide OC and CD into the same number of equal parts.
 Number the divisions from O to C, and from C to D.
 CD will be twice the length of CO.
 $O1 = O2 = OF = \text{focal length.}$
 Now draw lines from O to CD through each divisional point.
 Draw lines from OC at each divisional point so that the lines are parallel to OB.
 Intersections of lines of the same number determine the points on the curve.

The 1955 edition of the Truck Trail Handbook is on the press and should be completed within a few days. Advance copies will be sent to the Regions prior to binding.